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PATENT  
Attorney Docket 046124-5005-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Takashi OSUMI *et al.*

Application No. 09/852,000

Filed: May 10, 2001

For: **Green Fluorescent Proteins and Blue  
Fluorescent Proteins**

Commissioner for Patents  
Washington, D.C. 20231

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) Examiner: E. Slobodyansky  
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) Group Art Unit: 1652  
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AMENDMENT & REPLY TO OFFICE ACTION  
PURSUANT TO 37 CFR §1.111

This Reply is responsive to the Office Action dated October 22, 2002, the time period for response to which expired January 22, 2003. An extension of time for three months is being filed concurrently, thereby extending the period for response to April 22, 2003. Entry of the following amendments and reconsideration of the claimed subject matter is respectfully requested:

**IN THE SPECIFICATION:**

Please replace the paragraph beginning at page 3, line 20, with the following amended paragraph:

--Recently, a mutant of GFP into which the mutations of Y66H and Y145F were introduced and which had different wavelength characteristics (it is also referred to as "Mutant," and its amino acid sequence (SEQ ID No. 15) is described below) was developed. This is referred to as "BFP (Blue Fluorescent Protein)," because it emits blue fluorescence by UV excitation. (R. Heim et al. Curr. Biol. 6: 178-182 (1996); R. Heim et al. Proc. Natl. Acad. Sci.